MEDICA

EasyElectrolytes™

medicacorp.com

$Na^+/K^+/Cl^-$

$Na^+/K^+/Li^+$

*Easy*Electrolytes™

easy inside and out

With EasyElectrolytes, Medica has redefined electrolyte analyzer design

Simple Yes/No prompted operation, combined with a modular design makes EasyElectrolytes reliable and economical. A convenient Reagent Module contains all liquid calibrants. Components are packaged into three simple modules, easily accessible by the user. Routine maintenance is limited to the replacement of electrodes and a single pump tube.

Medica's EasyElectrolytes analyzers measure Na^+, K^+, and Cl^-, or Li^+ in whole blood, serum, urine (not applicable for Li^+), and plasma. Measured results are displayed and printed in 35 seconds on a 55 µL serum sample.

Advanced software and hardware combine to track all analyzer results. The system monitors calibration, electrode response, calibrant usage and other functions.

EasyElectrolytes focuses on the laboratory's need to deliver sample results economically. Unique electrode design, combined with precise control of calibrator volumes, ensure economical operation and a low cost per sample.

...*Easy* to use

Electrolyte analyzer operation has never been simpler

The Universal Sampler accepts samples in syringes, capillary tubes and sample containers without adaptors. The sample probe's self-wiping feature provides convenience, sample integrity and user safety.

Sample Container Sampling

Capillary Sampling

Compact reagent module for convenience, economy and safety

All calibrants are packaged in a convenient, sealed, Reagent Module that also collects waste, protecting the user from biological hazards. The Reagent Module's solid-state memory enables EasyElectrolytes to track date code and reagent usage. Operation without interruption is assured.

Disposable, maintenance-free electrodes

Advanced membrane technology and unique packaging bring unprecedented convenience to electrode replacement. Medica's integral membrane design means that membranes never need to be changed by the user, saving time and simplifying maintenance.

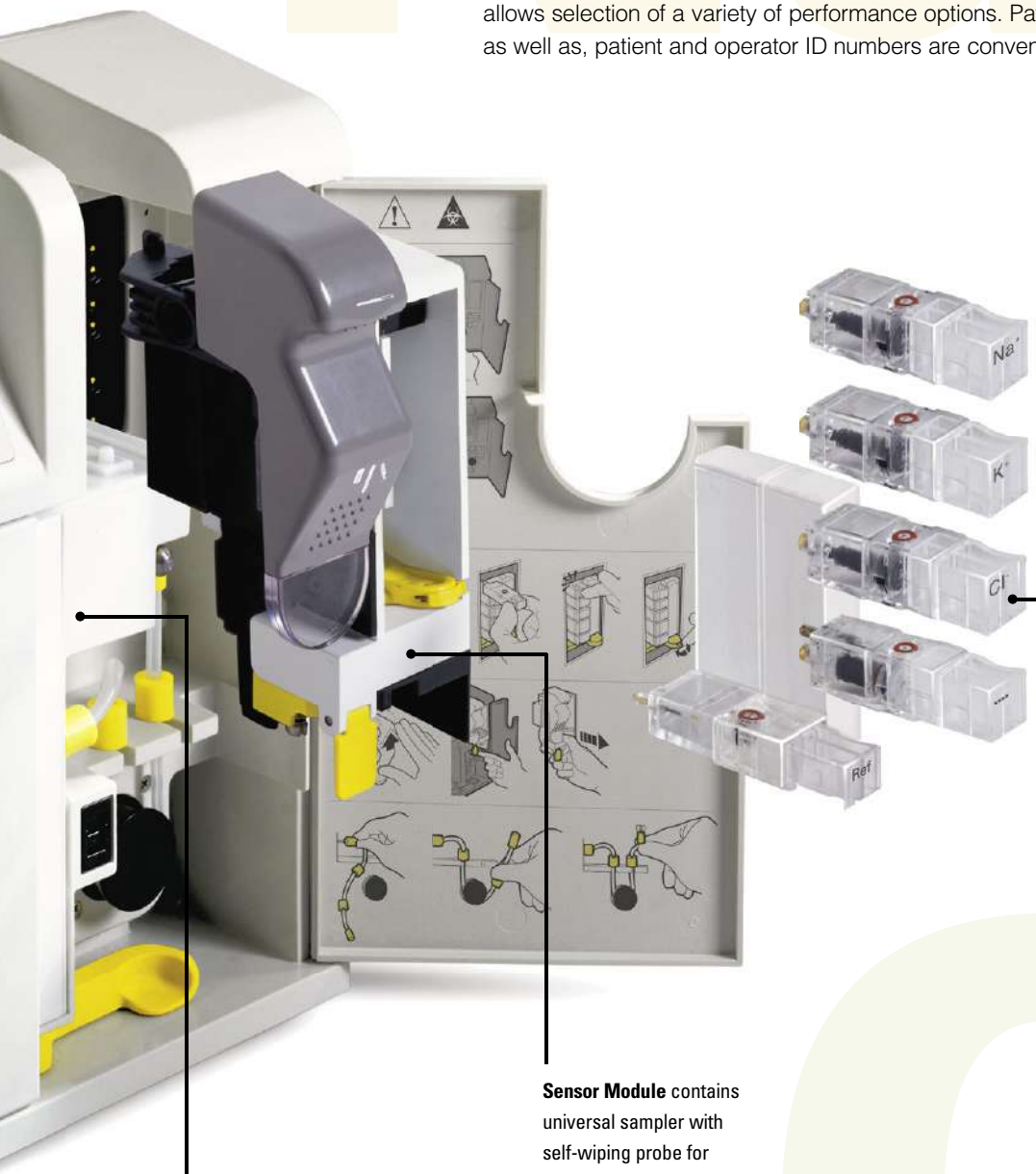
CRITICAL LIMITS?

ANALYZE
QC LEVEL 1?

USER OPTIONS?

Simple Yes/No prompted operation with a touch of the keypad

EasyElectrolytes can be programmed to conform with established lab protocols. The software allows selection of a variety of performance options. Patient and quality control reference limits, as well as, patient and operator ID numbers are conveniently entered with the numeric keypad.



Maintenance-free **Electrode** design permits fast, fail-safe installation

Sensor Module contains universal sampler with self-wiping probe for convenience and safety

Valve Module selects calibrants and rinse solutions

...*Easy* to maintain

EasyElectrolytes can be maintained by anyone, anytime, anywhere

Innovative design simplifies maintenance, addressing the needs of the remote laboratory with limited access to technical service personnel. All service calls can be performed by fax or telephone, eliminating the need for on-site service. Diagnostic software displays component status, assuring quick troubleshooting. Modularity makes assembly and disassembly quick and easy.

Removal of the three plug-in modules – Reagent Module, Sensor Module and Valve Module – is accomplished without tools.

...*Easy* data management

Comprehensive quality control and data management

The EasyElectrolytes quality control program calculates and stores complete statistics for monthly quality control results at each of three levels. A printed Levy-Jennings chart visually identifies trends. The data management program compares all patient results with ranges stored in memory and flags out-of-range results. Results are stored in memory for up to 64 patients.

Self-contained Reagent Module contains liquid calibrants and collects all waste

Specifications
($Na^+/K^+/Cl^-$, $Na^+/K^+/Li^+$)

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CLIA Classification:	Moderate complexity
Sample Type:	Whole blood, serum, plasma, or diluted urine
Sample Size:	55 μL Sample Container mode; 50 μL Capillary mode; 300 μL Urine mode
Method:	Direct measurement by Ion Selective Electrode (ISE)

Measurement Range:	**Blood**	**Display Resolution**
Na^+	100 – 200 mmol/L	0.1 mmol/L
K^+	1.0 – 10.0 mmol/L	0.01 mmol/L
Cl^-	50 – 150 mmol/L	0.1 mmol/L
Li^+	0.20 – 3.50 mmol/L	0.01 mmol/L

	Urine	**Display Resolution**
Na^+	10 – 300 mmol/L	1 mmol/L
K^+	2 – 200 mmol/L	0.1 mmol/L
Cl^-	15 – 400 mmol/L	1 mmol/L

Input Parameters:	Patient ID 9 digits
Analysis Time:	35 seconds, serum; 60 seconds, urine
Data Storage:	Patient results — up to 64 samples QC results — up to 31 each Normal, Low, and High
Calibration:	Automatic or On-Demand
Input/Output:	Yes/No numeric keypad, 2 x 16 character display or graphic display, 27 column thermal printer, barcode reader port, Serial port (RS-232), computer interface port
Ambient Conditions:	15 – 32°C (59 – 90°F) 5 – 90% relative humidity, non-condensing atmospheric air environment
Power:	100/120/230V ~ +/- 10%, 50/60 Hz, 0.8/0.8/0.4A
Size & Weight:	14.5" W x 12.5" H x 7" D (37 cm W x 32 cm H x 18 cm D) 17 lbs. (7.3 kg) with reagent module.
Approvals:	Combined Canada/US UL mark. In compliance with IEC 1010-1 CE mark (EN 61326; EN 55011; EN 61010-1)

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